

2006

## Biomedical Informatics Seminar Series (BioMISS) 2006 - 2007

Philip Kroth

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## WHAT IS BIOMEDICAL INFORMATICS?

Biomedical Informatics is the science of managing information for health care, research, education, and administration by applying, integrating, and evaluating information technology.

The Science of Biomedical Informatics seeks to study the use and flow of information in health care organizations and systems. Its goal is to provide the best information management tools to help provide the top quality health care at the lowest possible cost.

## LEARNING OBJECTIVES

- To provide a broad overview of salient topics in the field of Biomedical Informatics
- To provide a forum that fosters interdisciplinary cross-collaboration for research into areas related to Biomedical Informatics
- To provide a forum for Biomedical Informatics fellows (and HSC faculty doing research or with a serious interest in Biomedical Informatics) for presentation in Biomedical Informatics-related research



Photo by Tom Deering

## LOCATION

2nd and 4th Thursday each month  
UNM Health Sciences Library and Informatics Center  
Room 228

## TIME

8:30 - 9:30 AM

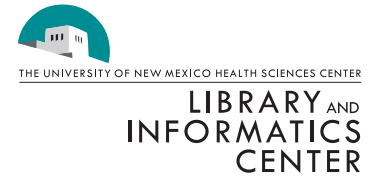
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## BIOMEDICAL INFORMATICS SEMINAR SERIES 2006-2007

## INCREMENTS OF INFORMATION TECHNOLOGY



Photo by Barry Staver

# BIOMEDICAL INFORMATICS SEMINAR SERIES SCHEDULE 2006-2007

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9/14/2006

## **The Increasing Importance of Computation in Research**

Barney Maccabe, PhD  
Professor, UNM Department of Computer Science  
Director, UNM Center for High Performance Computing

9/28/2006

## **New Mexico Molecular Libraries Screening Center: Speeding Drug Development**

Larry Sklar, PhD  
Professor, UNM Department of Pathology  
Associate Director of Basic Research, UNM Cancer Research and Treatment Center  
Full Member, Hematologic Malignancies Research Program

10/12/2006

## **Health Information Exchanges: The Benefits and the Challenges**

Maggie Gunter, PhD  
President and Executive Director, Lovelace Clinic Foundation

10/26/2006

## **Anthropology, Orthodontics, and Informatics: Integrating Disciplines to Develop a New Research Resource**

Heather Edgar, PhD  
Research Assistant Professor, UNM Department of Anthropology  
Curator of Human Osteology, UNM Maxwell Museum of Anthropology

Randy Stewart, MD  
National Library of Medicine Biomedical Informatics Fellow  
Adjunct Assistant Professor, UNM Health Sciences Library and Informatics Center

11/9/2006

## **Making a Match: Linking Records from Multiple Clinical Databases**

Randy Stewart, MD  
National Library of Medicine Biomedical Informatics Fellow  
Adjunct Assistant Professor, UNM Health Sciences Library and Informatics Center

12/14/2006

## **Neuroinformatics and the MIND Institute**

Jeremy Bockholt  
Neuroinformatics Manager  
The MIND Institute

1/11/2007

## **Rule-Based Modeling of Biochemical Systems**

William Hlavacek, PhD  
Technical Staff Member, Theoretical Biology and Biophysics Group, Theoretical Division, Los Alamos National Laboratory  
Adjunct Assistant Professor, UNM Department of Biology

1/25/2007

## **Emerging Technologies in Wireless Communication**

Matt Braun  
Director, Network and Infrastructure, UNM Hospitals

2/8/2007

## **Collecting Research Data On-Line: A Survey of Military Mothers of Adolescent Children**

Mona Ternus, PhD, RN, CNS, CCRN  
Associate Professor, UNM College of Nursing

2/22/2007

## **Voice/Data Convergence: New Ways to Communicate**

Matt Braun  
Director, Network and Infrastructure, UNM Hospitals

3/8/2007

## **"Thinking Tools": The Science of Medical Decision Making**

Randy Stewart, MD  
National Library of Medicine Biomedical Informatics Fellow  
Adjunct Assistant Professor, UNM Health Sciences Library and Informatics Center

3/22/2007

## **Tools and Tips: Electronic Collaboration with Sensitive Information**

Janelle Edmister  
IT Security Administrator, UNM Health Sciences Library and Informatics Center

4/12/2007

## **Prescribing Patient Education: Using Personal Health Records and Online Care Plans to Tailor Patient Information**

Robert Luke, PhD  
Manager, Educational Informatics  
Princess Margaret Hospital, University Health Network, University of Toronto

4/26/2007

## **UNM's Center of Excellence for Spatiotemporal Modeling of Cell Signaling**

Jeremy Edwards, PhD  
Assistant Professor, UNM Department of Molecular Genetics and Microbiology

Janet Oliver, PhD  
Professor, UNM Departments of Pathology and Biology

Bridget Wilson, PhD  
Associate Professor, UNM Department of Pathology

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